Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0851-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	10/037,146
Filing Date	12/21/2001
First Named Inventor	Painter
Title	RESONANT OPTICAL MODULATORS
Group Art Unit	
Examiner Name	
Attorney Docket Number	CQC13NP

I hereby appoint:

☒ Practitioners at Customer Number

36394 →



OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer NumberPlace Customer
Number Bar Code
Label here☐ Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name	Jeffrey S. Richter, President and CEO, Xponent Photonics Inc.
Signature	
Date	4-1-2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY



PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Xponent Photonics, Inc.Application No./Patent No.: 10/037,146Filed/Issue Date: 12/21/2001Entitled: RESONANT OPTICAL MODULATORSXponent Photonics, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4-1-2003
DateJeffrey S. Rittichier

Typed or printed name

Signature

President and CEO, Xponent Photonics Inc.

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY

ASSIGNMENT OF APPLICATIONDocket Number (Optional)
CQC13NP

Whereas, I/We, Oskar J. Painter of Pasadena, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Resonant optical modulators

☒ for which an application for a United States Patent was filed on 12/21/2001

Application Number 10 / 037,146

☐ for which an application for a United States Patent was executed on _____, and

Whereas, Xponent Photonics Inc of Monrovia, CA herein referred to "assignee" whose mailing address is 425 East Huntington Drive, Monrovia, CA 91016 is

desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 19TH day of MARCH, 2003
at Monrovia, California

State of CALIFORNIA

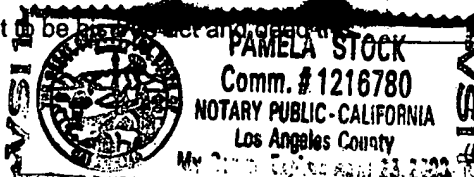
County of Los Angeles SS:

Before me personally appeared said OSKAR PAINTER

and acknowledged the foregoing instrument to be his act and deed.

day of MARCH, 2003

Seal



(Signature)

(Notary Public)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* ☒ Total of 5 forms are submitted.

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

COPY

ASSIGNMENT OF APPLICATION	Docket Number (Optional) CQC13NP
----------------------------------	--

Whereas, I/We, Kerry J. Vahala of San Gabriel, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Resonant optical modulators

☒ for which an application for a United States Patent was filed on 12/21/2001
Application Number 10 / 037,146

☐ for which an application for a United States Patent was executed on _____, and


Whereas, Xponent Photonics Inc of Monrovia, CA herein referred to "assignee" whose mailing address is 425 East Huntington Drive, Monrovia, CA 91016 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.


Executed this 21st day of MARCH, 2003
at Monrovia, California

State of CALIFORNIA
County of Los Angeles SS: _____
Before me personally appeared said KERRY VAHALA
and acknowledged the foregoing instrument to be his free act and deed this
day of MARCH, 2003.

Seal



PAMELA STOCK
Comm. # 1216780
NOTARY PUBLIC - CALIFORNIA
Los Angeles County
My Comm. Expires April 23, 2003



 (Signature)

Note: Signatures of all the inventors or assignees of record of the entire interest in the invention are required. Submit multiple forms if more than one signature is required. See below.

* ☒ Total of 5 forms are submitted.

COPY

ASSIGNMENT OF APPLICATION	Docket Number (Optional) CQC13NP
----------------------------------	--

Whereas, I/We, David W. Vernoooy of Sierra Madre, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Resonant optical modulators

☒ for which an application for a United States Patent was filed on 12/21/2001
Application Number 10 / 037,146

☐ for which an application for a United States Patent was executed on _____, and

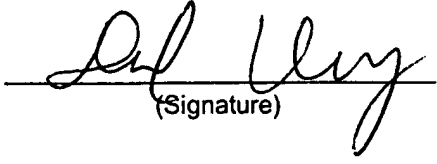
Whereas, Xponent Photonics Inc of Monrovia, CA herein referred to "assignee" whose mailing address is 425 East Huntington Drive, Monrovia, CA 91016 is desirous of acquiring the entire right, title and interest in the same;

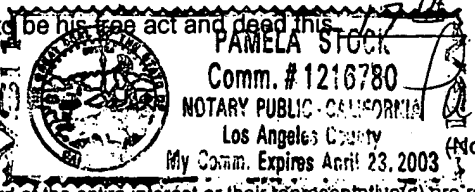
Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 17TH day of MARCH, 2003
at Monrovia, California

State of California
County of Los Angeles SS: DAVID VERNOOY

Before me personally appeared said DAVID VERNOOY and acknowledged the foregoing instrument to be his free act and deed this 17TH day of MARCH, 2003.


 (Signature)


 PAMELA STOCK
 Comm. # 1216780
 NOTARY PUBLIC - CALIFORNIA
 Los Angeles County
 My Comm. Expires April 23, 2003
 (Notary Public)

Seal

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* ☒ Total of 5 forms are submitted.

ASSIGNMENT OF APPLICATION	Docket Number (Optional) CQC13NP
----------------------------------	--

Whereas, I/We, Guido Hunziker of Altadena, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Resonant optical modulators

☒ for which an application for a United States Patent was filed on 12/21/2001
Application Number 10 / 037,146

☐ for which an application for a United States Patent was executed on _____, and


Whereas, Xponent Photonics Inc of Monrovia, CA herein referred to "assignee" whose mailing address is 425 East Huntington Drive, Monrovia, CA 91016 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 17TH day of MARCH, 2003
at MONROVIA, CALIFORNIA

State of CALIFORNIA 942
County of LOS ANGELES SS: Guido Hunziker
Before me personally appeared said Guido Hunziker
and acknowledged the foregoing instrument to be his free act and deed this 17TH
day of MARCH, 2003.

Seal



PAMELA STOCK
Comm. # 1216780
NOTARY PUBLIC - CALIFORNIA
Los Angeles County
My Comm. Expires April 23, 2003

Pamela Stock
(Notary Public)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

* ☒ Total of 5 forms are submitted.

COPY

ASSIGNMENT OF APPLICATION	Docket Number (Optional) CQC13NP
----------------------------------	--

Whereas, I/We, Peter C. Sercel of Pasadena, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Resonant optical modulators

☒ for which an application for a United States Patent was filed on 12/21/2001
Application Number 10 / 037,146

☐ for which an application for a United States Patent was executed on _____, and


Whereas, Xponent Photonics Inc of Monrovia, CA herein referred to "assignee" whose mailing address is 425 East Huntington Drive, Monrovia, CA 91016 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 13TH day of MARCH, 2003
at MONROVIA, CALIFORNIA

State of CALIFORNIA
County of LOS ANGELES SS: PETER SERCEL

Before me personally appeared said PETER SERCEL
and acknowledged the foregoing instrument to be his free act and deed this 13TH day of MARCH, 2003



Seal

PAMELA STOCK
Comm. # 121678
NOTARY PUBLIC - CALIFORNIA
Los Angeles County
My Comm. Expires April 23, 2003

Pamela Stock
(Notary Public)

Note: Signatures of all the inventors or assignees of the invention are required. Submit multiple forms if more than one signature is required. See below.

* ☒ Total of 5 forms are submitted.

COPY